

Evaluation of Transportation Projects in Northern Virginia Transportation District

October 17, 2013
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Presentation Outline

- Presentation Purpose
- Study Background
- VDOT's Framework for the Study
- Study Team and Coordination
- Study Tasks and Process
- Priorities For the Study (Action Item)
- Questions / Comments



Presentation Purpose

- Provide background on the study VDOT is required by legislation to conduct
- > Outline the process and schedule for the study
- Obtain CTB approval of the proposed priorities for this study (Resolution)



Study Background

- ☐ July 2012 HB 599/SB 531 became law (§ 33.1-13.03:1; Chapters 768/825 of the 2012 VA Code)
- Law states that:
 - VDOT in ongoing coordination with the CTB, DRPT and the NVTA shall evaluate all significant transportation projects, including highway, transit and technology projects in and near Northern Virginia Transportation District
 - Evaluation shall provide an objective, quantitative rating for each project according to the degree to which the project is
 - Expected to reduce congestion, and
 - > Improve regional mobility in the event of homeland security emergency
 - Evaluation shall rely on analytical techniques and transportation modeling
 - Publish the quantitative ratings on its website and update the study once every four years
 - Select at least 25 significant projects according to:
 - > Priorities determined by the CTB in ongoing coordination with the NVTA
 - Without regard to the funding source of the project



Study Framework

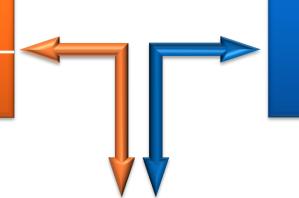
- > Full compliance with the law
- Cognizant of Legislative Intent
- Coordinated and Objective
- Rigorous Technical Approach
 - Demand Modeling and Traffic Simulation; Quantitative Rating
- Defensible (Peer reviewed) and Reusable Process
- **→ Utility to all users (CTB, NVTA, Others)**



Study Team and Coordination



CTB / CTB NoVA Representatives
NVTA Board



Co-ordinationTechnical Aspects

Representatives from NoVA localities, WMATA and VRE

Peer Review Group

- Texas Transportation Institute (TTI)
- Center for Urban Transportation Research (CUTR)



Study Team

Agencies VDOT/DRPT

Consultants
AECOM
Decision Lens

Travesky & Associates
Belcher Consultants

DOT **Study Tasks and Process Project Nominations Regionally Significant CTB** Priorities **Projects** Solicit from the CTB and the Obtain Defined in coordination with NVTA from CTB NoVA CTB members and NVTA Jan/Feb 2014 10/17/13 **Consistent with** CTB priorities? Is it regionally significant? Congestion **Secondary Selection Criteria** reduction? Defined in coordination with NoVA CTB members and NVTA Select 25 – 30 Projects **Evaluate and Rate** Coordination with NVTA & **Ratings** 25 - 30 Projects Results NoVA CTB members Report 1st Set Multiple weighted measures June 2014 coordinated with NoVA CTB **Approved by CTB Dec 2014** members and the NVTA Mar 2014



Study Priorities - VTrans 2035 Study



1. Preserve and Enhance Statewide Mobility



- 2. Increase Coordinated Safety and Security Planning
- 3. Improve Safe Operations and Services
- 4. Achieve State of Good Repair



5. Improve the Interconnectivity of Regional and Activity Centers



- 6. Reduce the Cost of Congestion to Virginia's Residents and Businesses
- 7. Preserve and Optimize System Efficiency through Proactive Planning
- 8. Promote Sustainable Methods of Planning, Design, Operations and Construction That are Sensitive to Environmental, Cultural and Community Resources
- 9. Increase Travel Choices to Improve Quality of Life for Virginians



- 10. Increase System Performance by Making Operational Improvements
- 11. Advance Key Economic Drivers by Making Strategic Infrastructure Investments
- 12. Expand Opportunities to Develop and Leverage funds
- 13. Improve Cost-Effectiveness or Providing programs and Services



Questions / Comments

THANKS!

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CTB Overview October 17, 2013